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STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

July 18, 2001 1315 W. 4th Avenue • Kennewick, Washington 99336-6018 • (509) 735-7501

Mr. Joel Hebdon, Director
Regulatory Compliance and Analysis Division
P.O. Box 550, MSIN: A5-58
Richland, Washington 99352

Mr. Roby D. Enge, Director
Environment, Safety, and Health
P.O. Box 999, MSIN: P7-75
Richland, Washington 99352

Mr. Richard H. Gurske, Project Manager
Environmental Services
P.O. Box 1000, MSIN: H8-73
Richland, Washington 99352

RECEIVED
JUL 31 2001

EDMC

Dear Messrs. Hebdon, Enge, Gurske:

Re: Quarterly Notification of Class 1 Modifications to the Hanford Facility Resource Conservation and Recovery Act (RCRA) Permit, Dangerous Waste Portion
(Quarter ending March 31, 2001 – Condition I.C.3)

Enclosed are the Modification Notification Forms indicating those modifications that the Washington State Department of Ecology (Ecology) has reviewed and approved for the referenced quarterly Class 1 Modifications.

These approved quarterly modifications include:

- Part III, Chapter 5 (Attachment 35 – 242-A Evaporator)
 - Hanford Facility RCRA Permit, III. 5.A
 - Chapters 3.0, 6.0, 12.0, and 13.0
 - Appendix 4A, Table 4A-1, Table 4A-2
- Part III, Chapter 3 (Attachment 28 – PUREX Storage Tunnels)
 - Appendix 7A, Section 2.0
 - Appendix 7A, Section 3.0

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- Part III, Chapter 4 (Attachment 34 – LERF & 200 Area ETF)
 - Hanford Facility RCRA Permit, III. 4.A
 - Hanford Facility RCRA Permit, III. 4.B
 - Appendix 3A, Section 1.0
 - Chapters 2.0, 3.0, 11.0, 12.0, and 13.0
 - Appendix 3A, Section 1.1
 - Appendix 3A, Section 6.1
 - Appendix 4A, Table 4A-2
 - Appendix 4B, Table 4B-2

Part III, Chapter 2 (Attachment 18 – 305 B Storage Facility)

- Chapter 2.0, Section 2.8
- Chapter 2.0, Section 2.8.1
- Chapter 2.0, Section 2.8.3.2
- Chapter 6.0, Section 6.3.1.3
- Chapter 6.0, Section 6.4.5
- Attachment 4, Hanford Emergency Management Plan, Section 3.0, Table 3-1, Section 4.0, Subsection 4.2, Section 5.0, Subsection 5.1.1, Section 5.0, Subsection 5.1.2
- Part II, General Facility Conditions, II.A.1
- Part III, Chapter 6 – Part III. 6.B.e (Attachment 36 – 325 Hazardous Waste Treatment Units)

Again, US Department of Energy and contractor staff are encouraged to discuss proposed Class 1 changes with Ecology's Unit Managers during the quarter to clarify any questions and/or concerns. If you have any questions or comments regarding this letter, contact me at (509) 736-5715 or Jean Vanni (509) 736-3014.

Sincerely,



Laura Ruud, Permitting Specialist
Nuclear Waste Program

LR: jv
Enclosures

Messrs. Hebdon, Enge, Gurske,
July 18, 2001
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cc: w/enclosure: Suzette Thompson, FH
Roger Landon, BHI
Alice Ikenberry, PNNL
J.H. Richards, CTUIR
P. Sobotta, NPT
Russell Jim, YN
Mike Wilson, Ecology
Administrative Record: H6-08
HF Operating Record, G1-27
Central File: Site Wide Permit

cc: w/o enclosure: D. R. Sherwood, EPA
Sue Price, FH
Rick Bond, Ecology
Laura Cusack, Ecology
Fred Jamison, Ecology

Hanford Facility RCRA Permit Modification Notification Forms
List of Attachments

Attachment 4, Hanford Emergency Management Plan

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Page 2 of 5: Section 4.0, Subsection 4.2
Page 3 of 5: Section 5.0, Subsection 5.1.1
Page 4 of 5: Section 5.0, Subsection 5.1.2

Hanford Facility RCRA Permit Modification Notification Form

Unit:
Hanford Emergency Management Plan

Permit Part & Chapter:
List of Attachments, Attachment 4

Description of Modification:

Section 3.0, Table 3-1:

Table 3-1. Memorandums of Understanding

PARTIES	SERVICES/AREAS OF COOPERATION	POINTS OF CONTACT	CONSTRAINTS	DATE	EXPIRATION DATE	WHERE ON FILE
State of Washington	Document areas of cooperation between the parties in the planning for and response to emergencies at the Hanford Site.	Washington Emergency Management Division	None	09/10/00 [Signature]	Continue until canceled by either party upon 30 days written notice to the other.	RL SES
State of Oregon	Document areas of cooperation between the state of Oregon and RL in the planning for and providing notification and interface in the event of an incident on the Hanford Site.	Oregon Department of Energy	None	12/02/00 [Signature]	Continue until canceled by either party by written notice to the other. Amendments or modifications to this Agreement may be made upon written agreement by both parties to the Amendment.	RL SES
Benton County	Document areas of cooperation between the parties in the planning for and response to emergencies at the Hanford Site.	Benton County Emergency Management	None	03/16/00	Continue until canceled by either party by written notice to the other.	RL SES
Franklin County	Document areas of cooperation between the parties in the planning for and response to emergencies at the Hanford Site.	Franklin County Emergency Management	None	01/20/00	Continue until canceled by either party by written notice to the other.	RL SES
Grant County	Document areas of cooperation between the parties in the planning for and response to emergencies at the Hanford Site.	Grant County Emergency Management	None	05/25/00	Continue until canceled by either party by written notice to the other.	RL SES
Energy Northwest	Document areas of cooperation between the parties in the planning for and response to emergencies at the Hanford Site.	Energy Northwest Emergency Preparedness	The specific areas of assistance will be provided based upon availability, and are limited to those emergency actions necessary to protect onsite personnel, the public health and safety, and the environment in the event of a major emergency at the Hanford Site or Energy Northwest.	09/07/00	Continue until canceled by either of the parties upon 30 days written notice to the other party.	RL SES
Energy Northwest and HEHF	Treatment of a significantly contaminated and injured person.	Energy Northwest Emergency Preparedness and HEHF	None	09/08/00	Continue until canceled by one or more of the parties upon 30 days written notice to the other(s).	RL SES

Modification Class: ^{12 3}

Class 1

Class ¹1

Class 2

Class 3

Please check one of the Classes:





X

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation:

A. General Permit Provisions

1. Administrative and informational changes

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
 G. B. Griffin	 J. L. Spracklen, Jr.	 S. Moore	 L.E. Ruud
Date	Date	Date	Date

¹Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit: Hanford Emergency Management Plan	Permit Part & Chapter: List of Attachments, Attachment 4
---------------------------------------------------	--------------------------------------------------------------------

Description of Modification:

Section 4.0, Subsection 4.2:

4.2 RESOURCE CONSERVATION AND RECOVERY ACT EMERGENCY

A RCRA emergency is defined as a release, fire, or explosion that could threaten human health or the environment.

For a facility event, the BED/BW4C, in consultation with the respective site contractor environmental single point of contact, shall determine whether the incident is a RCRA emergency based upon an evaluation and assessment.

It is the responsibility of the BED/BW4C to make this determination even though the BED/BW4C consults with the site contractor environmental single point of contact. When this determination occurs, notifications delineated in subsection 5.1.2.1 shall be performed. Notifications described in subsection 5.1.1 may also be required for a RCRA emergency and are determined on a case-by-case basis by the BED/BW4C.

The BED/BW4C ensures that trained personnel identify the character, source, amount, and areal extent of the release, fire, or explosion to the extent possible.

Identification of waste can be made by activities that can include, but are not limited to, visual inspection of involved containers, sampling activities in the field, reference to inventory records, or by consulting with facility personnel. Samples of materials involved in an emergency might be taken by qualified personnel and analyzed as appropriate. These activities must be performed with a sense of immediacy and shall include available information.

After gathering appropriate event information, the hazards posed by the event to human health and the environment must be assessed. The assessment must take into consideration the direct, indirect, immediate, and long-term effects of the incident. The assessment should include sources such as Material Safety Data Sheet toxicity and health information and results from any personnel monitoring examinations conducted at medical facilities. These are the types of tools, which will aid in ascertaining the extent in which human health and the environment were threatened.

If assessment of all available information does not yield a definitive assessment of the danger posed by the incident, a worst-case condition will be presumed and appropriate protective actions and notifications will be initiated. The BED/BW4C is responsible to initiate any protective actions based on their best judgement of the incident.

For onsite transportation events, it is the responsibility of the on-call EDO

in consultation with the FRI site contractor environmental single point of contact, to make the determination whether the incident is a RCRA emergency.

A RCRA emergency for onsite transportation events is defined as a release of WAC hazardous substances that threatens human health or the environment. When this determination occurs, notifications delineated in subsection 5.1.2.1 shall be performed. Notifications described in subsection 5.1.1 may also be required for a RCRA emergency and are determined on a case-by-case basis by the EDO.

Modification Class: ¹²³

Class 1

Class ¹1

Class 2

Class 3

Please check one of the Classes:





X

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation:

A. General Permit Provisions

1. Administrative and informational changes

Submitted by Co-Operator:  G. B. Griffin	Reviewed by RL Program Office:  J. L. Spracklen, Jr.	Reviewed by Ecology:  S. Moore	Reviewed by Ecology:  L. E. Ruud
Date: 1/4/2001	Date: 1/4/01	Date: 1/17/01	Date: 6/18/01

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
Hanford Emergency Management Plan

Permit Part & Chapter:
List of Attachments, Attachment 4

Description of Modification:

Section 5.0, Subsection 5.1.1:

5.1.1 Operational Emergency Notifications

Prompt and accurate emergency notifications are essential to mitigating consequences and for protecting the health and safety of workers and the public. For Operational Emergencies, procedures shall be established and maintained to provide prompt initial notification to workers and emergency response personnel and organizations, including appropriate offsite agencies, under the most limiting set of conditions.

For Operational Emergencies that also meet RCRA emergency ~~criteria~~, personnel shall ~~categorize the event in accordance with subsection 4.2 and perform~~ notifications in accordance with subsection 5.1.2.

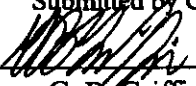
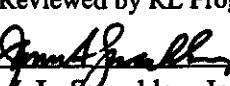
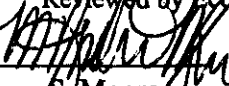
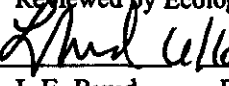
	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation:

A. General Permit Provisions

1. Administrative and informational changes

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
 G. B. Griffin	 J. L. Spracklen, Jr.	 S. Moore	 L.E. Ruud
1/4/01 Date	2/1/01 Date	10-7-01 Date	6/18/01 Date

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
Hanford Emergency Management Plan

Permit Part & Chapter:
List of Attachments, Attachment 4

Description of Modification:

Section 5.0, Subsection 5.1.2:

5.1.2 Environmental Notifications

There are numerous environmental notifications that must be made including those ~~required under~~ the RCRA ~~emergency category~~. These notifications are made either verbally or in writing, dependent on the event type. In many cases, notification requirements are based upon the quantity and location of a spill or release.

Site contractors shall maintain procedures to ensure implementation of environmental notifications in accordance with Federal, state or local requirements and agreements. Since events relating to spills or releases usually do not meet criteria for a DOE Order classifiable emergency (i.e., Alert, Site Area Emergency, or General Emergency), contractors must ensure that environmental notification procedures are consistent with the environmental notification process depicted in Figure 5-3.

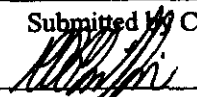



	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

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Enter wording of the modification from WAC 173-303-830, Appendix I citation:

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1. Administrative and informational changes

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 G. B. Griffin	 J. L. Spracklen, Jr.	 S. Moore	 L.E. Ruud
Date 1/4/00	Date 1/10/01	Date 1/10/01	Date 1/18/01

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Hanford Facility RCRA Permit Modification Notification Forms
Part III, Chapter 2 and Attachment 18
305-B Storage Facility

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Page 4 of 6: Chapter 2.0, Section 2.8.3.2
Page 5 of 6: Chapter 6.0, Section 6.3.1.3
Page 6 of 6: Chapter 6.0, Section 6.4.5

Hanford Facility RCRA Permit Modification Notification Form

Unit:
305-B Storage Facility

Permit Part & Chapter:
Part III, Chapter 2 and Attachment 18

Description of Modification:

Remove and replace Chapter 2.0 with the attached Chapter 2.0.

Chapter 2.0, Section 2.8:

2.8 MANIFEST SYSTEM [B-8]

The Hanford Site has one EPA/state identification number, as required by WAC 173-303-060, and all TSD units on the Hanford Site (such as 305-B Storage Facility) are considered to be part of one dangerous waste facility. Therefore, onsite shipments of dangerous or mixed waste are not subject to the manifesting requirements specified in WAC 173-303-370 and -180. 305-B Storage Facility has an onsite waste tracking system akin to a manifest system, which is voluntarily used for transporting waste on the Hanford Facility.

The [REDACTED] Uniform Hazardous Waste Manifest (Figure 2-7) is used for all off-site shipments of dangerous waste and RMW received at 305-B Storage Facility, as well as for all off-site shipments of dangerous waste and RMW from 305-B Storage Facility. In addition to the Uniform Hazardous Waste Manifest, wastes subject to land disposal restrictions which are shipped from 305-B Storage Facility to off-site treatment, storage, or disposal facilities are accompanied by the applicable notifications and certifications required under 40 CFR 268 (EPA 1989).

The following sections provide information on receiving shipments, response to manifest discrepancies, and provisions for nonacceptance of shipments.

	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and informational changes

Submitted by Co-Operator: <i>A.K. Ikenberry</i> 3/19/01	Reviewed by RL Program Office: <i>R.F. Christensen</i> 3/14/01	Reviewed by Ecology: <i>F. Jamison</i> 3/14/01	Reviewed by Ecology: <i>L.E. Ruud</i> 6/18/01
A.K. Ikenberry Date	R.F. Christensen Date	F. Jamison Date	L.E. Ruud Date

¹Class 1 modifications requiring prior Agency approval.

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
305-B Storage Facility

Permit Part & Chapter:
Part III, Chapter 2 and Attachment 18

Description of Modification:

Remove and replace Chapter 2.0 with the attached Chapter 2.0.

Chapter 2.0, Section 2.8.1:

2.8.1 Procedures for Receiving Shipments [B-8a]

The following are procedures used prior to transport of wastes to the 305-B Storage Facility. First, the generator must submit a Chemical Disposal/Recycle Request (~~Figures 2-8 and 2-9~~) form to the Waste Management Section. [REDACTED] This request form is then reviewed and either approved or rejected. Typical causes of rejection include missing or insufficient information in any of the data fields, or lack of specific information on waste composition. Waste information required [REDACTED] is noted in [REDACTED] Section 3.1. Upon approval, the Waste Management Section reviews the form to determine the dangerous waste designation, waste compatibility class for storage, and containerization and labeling requirements.

Modification Class: ¹²³

Please check one of the Classes:

Class 1	Class ¹ 1	Class 2	Class 3
X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and informational changes

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>A.K. Ikenberry</i> 7/19/01	<i>R.F. Christensen</i> 4/11/01	<i>F. Jamison</i> 6/18/01	<i>L.E. Ruud</i> 6/18/01
A.K. Ikenberry	R.F. Christensen	F. Jamison	L.E. Ruud
Date	Date	Date	Date

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
305-B Storage Facility

Permit Part & Chapter:
Part III, Chapter 2 and Attachment 18

Description of Modification:

Remove and replace Chapter 2.0 with the attached Chapter 2.0.

Chapter 2.0, Section 2.8.3.2:

2.8.3.2 Activation of ~~RCRA~~ Contingency Plan for Damaged Shipment [B-8c(2)].

As described in Section 2.8.1, all wastes are inspected by staff from the waste management organization prior to shipment and are also primarily transported to 305-B Storage Facility by waste management organization staff. Damaged containers will not be accepted from the generator and will not be transported. The only opportunity for receipt of damaged containers, therefore, would be if containers were damaged during transportation. If a shipment of waste is damaged during transportation and arrives in a condition as to present a hazard to public health or to the environment, the facility ~~RCRA~~ contingency plan will be implemented as described in Chapter 7.0.

Modification Class: ¹²³

Please check one of the Classes:

Class 1	Class ¹ 1	Class 2	Class 3
X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and informational changes

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>A.K. Ikenberry</i> 3/19/01	<i>R.F. Christensen</i> 4/4/01	<i>F. Jamison</i> 4/10/01	<i>L.E. Ruud</i> 6/19/01
A.K. Ikenberry Date	R.F. Christensen Date	F. Jamison Date	L.E. Ruud Date

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
305-B Storage Facility

Permit Part & Chapter:
Part III, Chapter 2 and Attachment 18

Description of Modification:

Remove and replace Chapter 6.0 with the attached Chapter 6.0.

Chapter 6.0, Section 6.3.1.3:

6.3.1.3 Emergency Equipment [F-3a(3)]

Emergency equipment available for trained 305-B Storage Facility personnel includes portable fire extinguishers, a fire suppression system, spill response equipment, and decontamination equipment. Seven portable 10-lb ABC fire extinguishers, and one 15-lb (or larger) Class D fire extinguisher for combustible metals, are available at various locations throughout 305-B Storage Facility, as shown in Figure 6-4. The 10-lb ABC extinguishers are located: (1) next to the east entrance; (2) northwest end of the basement; (3) southwest end of the high bay; (4) outside of the bulking module door; (5) north of Cell No. 4 entrance; and (6) north-west end of high bay. (7) office area. A 15-lb ABC extinguisher is located outside cell 7. The 15-lb (or larger) class D extinguisher is located on the exterior of the organics cell wall north of the entrance.

The facility is also equipped with an automatic fire suppression system consisting of galvanized steel, schedule 40 per ASTM A120 pipe and 150-lb malleable iron per ANSI B16.3 fittings. All components are UL-listed or FM-approved, and installation of the fire sprinkler system has been conducted in accordance with NFPA 13 for ordinary hazard. Spill cleanup supplies and equipment maintained are summarized in Table 6-2. ~~Two~~ two emergency eye wash/showers are available for emergency personnel decontamination. The locations of the emergency eye wash/showers are shown in Figure 6-4. If needed, the Hanford Fire Department can provide additional emergency equipment. Emergency equipment available through the Hanford Fire Department for hazardous materials response is identified in Appendix 6A.

Modification Class: ¹²³

Please check one of the Classes:

Class 1

Class ¹1

Class 2

Class 3

X

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and informational changes

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
305-B Storage Facility

Permit Part & Chapter:
Part III, Chapter 2 and Attachment 18

Description of Modification:

Remove and replace Chapter 6.0 with the attached Chapter 6.0.

Chapter 6.0, Section 6.4.5:

6.4.5 Personnel Protection Equipment [F-4e]

Protective clothing and equipment are provided to employees during normal and emergency operations. During routine operations, the maximum number of employees working in the 305-B Storage Facility is less than fifteen. For dry chemical handling activities, such as labpacking, the minimum protection requirement is eye protection (safety glasses with side shields or chemical goggles), lab coat, and chemical resistant gloves (plastic or other construction as appropriate). Protection levels for other operations, such as bulking, and emergency situations are determined in consultation with a PNNL industrial hygienist, and staffing levels are revised according to the availability of proper protective equipment as shown below. Protective clothing and equipment available in the 305-B Storage Facility includes:

- 6 sets of chemically resistant suits, aprons, boots, and gloves
- 20 pairs of extra protective eyeglasses
- 3 SCBA
- 5 pairs of chemical goggles
- 4 face shields
- 4 full-face respirators with appropriate cartridges.

This protective equipment is stored in cabinets located outside of the operating area east entrance and is well stocked at all times. The location of the storage cabinets is given in Figure 6-4. This equipment is periodically replaced as it is used. The above inventory reflects the quantities of each type of PPE that are typically present at 305-B Storage Facility. Minimum quantities required to be present are given in the [REDACTED] weekly inspection checklist, Figure 6-2.

Modification Class: ¹²³

Please check one of the Classes:

Class 1	Class ¹ 1	Class 2	Class 3
X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and informational changes

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>A.K. Ikenberry</i> 3/19/00	<i>R.F. Christensen</i> 4/4/00	<i>F. Jamison</i> 4/4/00	<i>L.E. Ruud</i> 6/18/00
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Hanford Facility RCRA Permit Modification Notification Forms
Part III, Chapter 6 and Attachment 36
325 Hazardous Waste Treatment Units

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Page 2 of 2: Hanford Facility RCRA Permit, III.6.B.e

Hanford Facility RCRA Permit Modification Notification Form

Unit:
325 Hazardous Waste Treatment Units

Permit Part & Chapter:
Part III, Chapter 6 and Attachment 36

Description of Modification:

Hanford Facility RCRA Permit, III.6.B.e:

III.6.B.e. ~~Within three (3) months of final installation of the~~
new tank, the Permittee shall submit to Ecology a written integrity assessment, which has been reviewed and certified by an independent, qualified, registered professional engineer, in accordance with WAC 173-303-810 (13)(a).

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:		X		

Relevant WAC 173-303-830, Appendix I Modification: A.5.a

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

5. Schedule of compliance

a. Changes in interim compliance dates, with prior approval of the director

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>A.K. Ikenberry</i> 2/22/01 A.K. Ikenberry Date	<i>R.F. Christensen</i> 2/27/01 R.F. Christensen Date	<i>F.D. Jamison</i> 6/18/01 F. Jamison Date	<i>L.E. Ruud</i> 6/18/01 L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Forms
Part III, Chapter 5 and Attachment 35
242-A Evaporator

Page 1 of 5

Index

Page 2 of 5: Hanford Facility RCRA Permit, III.5.A
Page 3 of 5: Chapters 3.0, 6.0, 12.0, and 13.0 ✓
Page 4 of 5: Appendix 4A, Table 4A-1.
Page 5 of 5: Appendix 4A, Table 4A-2

Hanford Facility RCRA Permit Modification Notification Form

Unit:
242-A Evaporator

Permit Part & Chapter:
Part III, Chapter 5 and Attachment 35

Description of Modification:

Hanford Facility RCRA Permit, III.5.A.:

III.5.A. COMPLIANCE WITH APPROVED PERMIT APPLICATION

The Permittees shall comply with all requirements set forth in Attachment 35, including the Amendments specified in Condition III.5.B, if any exist. Enforceable portions of the application are listed below; all subsections, figures, and tables included in these portions are also enforceable, unless stated otherwise):

Part A, Form 3, Permit Application, Revision 7

Section 2.2	Topographic Map, (non-enforceable sections in Chapter 2 were modified in Class 1 Modification) [redacted] quarter ending March 31, 2000
Section 3.2	Waste Analysis [redacted]
Chapter 4.0	Process Information, from Class 1 Modification for quarter ending March 31, 2000
Chapter 6.0	Procedures to Prevent Hazards, dated May 1998 [redacted] as amended in Class 2 Modification for Revision 5
Chapter 7.0	Contingency Plan, dated May 1998, from Class 1 Modification for quarter ending September 30, 2000
Chapter 8.0	Personnel Training
Chapter 11.0	Closure and Financial Assurance, from Class 1 Modification for quarter ending June 30, 1998
Chapter 12.0	Reporting and Recordkeeping [redacted]
Chapter 13.0	Other Federal and State Laws [redacted]
Appendix 2A	Topographic Map
Appendix 3A	Waste Analysis Plan for 242-A Evaporator, from Class 1 Modification from quarter ending March 31, 1998
Appendix 4A	Engineering Drawings, from Class 1 Modification for quarter ending March 31, 2000
Appendix 4B	The 242-A Evaporator/Crystallizer Tank System Integrity Assessment Report
Appendix 7A	Building Emergency Plan for 242-A Evaporator, from Class 1 Modification for quarter ending September 30, 2000 Enforceable portions include Sections 1.5, 3.1, 4.0 (1 st paragraph), 7.1, 7.1.1, 7.1.2, 7.2, 7.2.1, 7.2.2, 7.2.3, 7.2.4, 7.2.5, 7.2.5.1, 7.3, 8.2, 8.3, 8.4, 9.0, 9.1, 9.2, 9.3, 9.4, 9.5, 9.6, 11.0, 12.0, and 13.0.
Appendix 8A	200 Area Liquid Waste Processing Facilities Administrative Policies, Dangerous Waste Training Plan from Class 1 Modification for quarter ending June 30, 1998

Modification Class: ¹²³

Please check one of the Classes:

Class 1	Class ¹ 1	Class 2	Class 3
X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and informational changes.

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
[Signature] 2/11/01	[Signature] APR 06 2001	[Signature] 6/19/01	[Signature] 6/28/01
E. S. Aromi Date	G. H. Sanders Date	F. Jamison Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
242-A Evaporator

Permit Part & Chapter:
Part III, Chapter 5 and Attachment 35

Description of Modification:

Remove Chapters 3.0, 6.0, 12.0, and 13.0 and replace with the attached Chapters 3.0, 6.0, 12.0, and 13.0.

These sections were converted from WordPerfect to Microsoft Word, which resulted in formatting changes. No changes were made to the text.

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and informational changes.

Submitted by Co-Operator: <i>E.S.A.</i> 2/14/01	Reviewed by RL Program Office: <i>G.H.S.</i> APR 06 2001	Reviewed by Ecology: <i>F.J.</i> 06/08/01	Reviewed by Ecology: <i>L.E.R.</i> 6/14/01
E. S. Aromi Date	G. H. Sanders Date	F. Jamison Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
242-A Evaporator

Permit Part & Chapter:
Part III, Chapter 5 and Attachment 35

Description of Modification:

Remove Appendix 4A and replace with the attached Appendix 4A.

Table 4A-1. Process and Instrumentation Diagrams.

System	Drawing Number	Outstanding ECNs	Drawing Title
Vapor-Liquid Separator	H-2-98988 Sh. 1, Rev. 6	ECN-647922	P & ID Evap Recirc System
Reboiler/Recirculation Line	H-2-98988 Sh. 2, Rev. 5	ECN-613444	P & ID Evap Recirc System
Slurry System	H-2-98989 Sh. 1, Rev. 10	None	P & ID Slurry System
Condensate Collection Tank	H-2-98990 Sh. 1, Rev. 9	None	P & ID Process Condensate System
Secondary Containment Drain System	H-2-98995 Sh. 1, Rev. 11	None	P & ID Drain System
Secondary Containment Drain System	H-2-98995 Sh. 2, Rev. 5	None	P & ID Drain System
Condensers	H-2-98999 Sh. 1, Rev. 11	None	P & ID Vacuum Condenser System
Pump Room Sump	H-2-99002 Sh. 1, Rev. 5	ECN-647885	P & ID Jet Gang Valve System
Condensate Recycle System	H-2-99003 Sh. 1, Rev. 10	ECN-627940 ECN-647922	P & ID Filtered Raw Water System

Modification Class: ¹²³

Please check one of the Classes:

Class 1

Class ¹1

Class 2

Class 3

X

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and informational changes.

Submitted by Co-Operator: <i>E.S. Aromi</i> 3/14/01	Reviewed by RCRA Program Office: <i>G.H. Sanders</i> 100-0-6 2001	Reviewed by Ecology: <i>F. Jamison</i> 06-19-01	Reviewed by Ecology: <i>L.E. Ruud</i> 6/18/01
E. S. Aromi Date	G. H. Sanders Date	F. Jamison Date	L. E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
242-A Evaporator

Permit Part & Chapter:
Part III, Chapter 5 and Attachment 35

Description of Modification:

Remove Appendix 4A and replace with the attached Appendix 4A.

Table 4A-2. Drawing of 242-A Evaporator Secondary Containment Systems.

System	Drawing Number	Outstanding ECNs	Drawing Title
242-A Building	H-2-69277 Sh 1, Rev 2	None	Structural Foundation Plan Sections & General Notes - Areas 1 & 2
	H-2-69278 Sh 1, Rev 3	None	Structural Foundation Elevations & Details - Areas 1 & 2
	H-2-69279 Sh 1, Rev 3	None	Structural First Floor Plan & AMU - Areas 1 & 2
Pump Room Sump Drainage	H-2-69352 Sh 1, Rev 4	121216 121238 194242 610629 620353	Sections Process Waste Drainage
242-A Building Drainage	H-2-69354 Sh 1, Rev 4	194242 610629 620353	Plan Process Waste Drainage
Pump Room Sump	H-2-69369 Sh 1, Rev 1	None	Pump Room Sump Assembly & Details



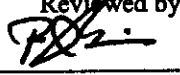

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: **A.1.**

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and informational changes.

Submitted by Co-Operator: 	Reviewed by RL Program Office:  APR 06 2001	Reviewed by Ecology:  4/18/01	Reviewed by Ecology:  4/18/01
E. S. Aromi Date	G. H. Sanders Date	F. Jamison Date	L.E. Ruud Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Forms

**Part III, Chapter 3 and Attachment 28
PUREX Storage Tunnels**

Page 1 of 3

Index

Page 2 of 3: Appendix 7A, Section 2.0

Page 3 of 3: Appendix 7A, Section 3.0

Hanford Facility RCRA Permit Modification Notification Form

Unit:

PUREX Storage Tunnels

Permit Part & Chapter:

Part III, Chapter 3 and Attachment 28

Description of Modification:

Remove Appendix 7A and replace with the attached Appendix 7A.

Appendix 7A, Section 2.0:

2.0 EMERGENCY COORDINATORS/BUILDING EMERGENCY DIRECTOR

Table 2-1. Emergency Coordinator/Building Emergency Director ^a

Designation	Job title	Work location	Work phone
Primary	Accelerated Deactivation Project Director	MO-414	373-4999
Alternate	Manager	MO-414	373-4160
Alternate	Manager	MO-414	373-4134
Alternate	Manager		
Alternate	Manager	MO-414	376-7678

^aThe names and home phone numbers of all Emergency Coordinators/Building Emergency Director (EC/BED) are maintained at the single point-of-contact (the Hanford Patrol Operations Center) telephone number 373-3800 in accordance with the Hanford Facility RCRA Permit, Dangerous Waste Portion, General Condition II.A.4.

^aEmergency response will be directed by the EC/BED until the Incident Commander arrives. The incident command structure and staff with supporting on-call personnel fulfill the responsibilities of the EC/BED as discussed in WAC 173-303-360.

During events, facility personnel perform response duties under the direction of the EC/BED. The Incident Command Post (ICP) is managed by either the senior Hanford Fire Department member present on the scene or senior Hanford Patrol member present on the scene (security events only). These individuals are designated as the Incident Commander (IC) and as such have the authority to request and obtain any resources necessary for protecting people and the environment. The EC/BED becomes a member of the ICP and functions under the direction of the IC. In this role, the EC/BED continues to manage and direct facility operations.

A listing of the primary and alternate EC/BEDs by title, work location and work telephone numbers is identified in the table above. The EC/BED is on the premises or is available through an "on-call" list 24 hours a day.

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes.

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>N.C. Boyter</i> 5-21-01	<i>D.T. Evans</i> 4/1/01	<i>R. Bond</i> 6-11-01	<i>L.E. Ruud</i> 6/18/01
N. C. Boyter Date	D. T. Evans Date	R. Bond Date	L.E. Ruud Date

¹Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Permit Part & Chapter:
Part III, Chapter 3 and Attachment 28

3.0 IMPLEMENTATION OF THE PLAN

The EC/BED must assess each incident to determine the response necessary to protect the personnel, facility, and the environment. If assistance from Patrol, Fire, or ambulance units is required, the Hanford Emergency Response Number (911) must be used to contact the Patrol Operations Center and request the desired assistance. To request other resources or assistance from outside the facility, the Patrol Operations Center business number is used (373-3800).

Class 3

X

1. Administrative and Informational changes.

N. C. Boyter Date

D. T. Evans Date

R. Bond Da

L.E. Ruud Dat

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Forms
Part III, Chapter 4 and Attachment 34
Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility

Page 1 of 9

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Page 3 of 9:	Hanford Facility RCRA Permit, III.4.B
Page 4 of 9	Appendix 3A, Section 1.0
Page 5 of 9:	Chapters 2.0, 3.0, 11.0, 12.0, and 13.0
Page 6 of 9:	Appendix 3A, Section 1.1
Page 7 of 9:	Appendix 3A, Section 6.1
Page 8 of 9:	Appendix 4A, Table 4A-2
Page 9 of 9:	Appendix 4B, Table 4B-2

Hanford Facility RCRA Permit Modification Notification Form

Unit: Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility	Permit Part & Chapter: Part III, Chapter 4 and Attachment 34
-------------------------------------------------------------------------------------------------	------------------------------------------------------------------------

Description of Modification:

Hanford Facility RCRA Permit, III.4.A:

III.4.A COMPLIANCE WITH APPROVED PERMIT APPLICATION
 The Permittees shall comply with all requirements set forth in Attachment 34, including the Amendments specified in Condition III.4.B, if any exist. Enforceable portions of the application are listed below (All subsections, figures, and tables included in these portions are also enforceable, unless stated otherwise):
 LERF Part A, Form 3, Permit Application, Revision 6
 ETF Part A, Form 3, Permit Application, Revision 3

Section 2.2	Topographic Map [REDACTED]
Section 3.2	Waste Analysis Plan [REDACTED]
Chapter 4.0	Process Information, from Class 1 Modification for quarter ending December 31, 1999
Chapter 5.0	Ground Water Monitoring, from Class 1 Modification for quarter ending June 30, 2000
Chapter 6.0	Procedures to Prevent Hazards, from Class 1 Modification for quarter ending September 30, 2000
Chapter 7.0	Contingency Plan, from Class 1 Modification for quarter ending September 30, 2000
Chapter 8.0	Personnel Training
Chapter 11.0	Closure and Financial Assurance [REDACTED]
Chapter 12.0	Reporting and Recordkeeping [REDACTED]
Chapter 13.0	Other Federal and State Laws [REDACTED]
Appendix 2A	Topographic Map
Appendix 3A	Waste Analysis Plan for the Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility, May 1998, as amended in Class 2 Modification for Revision 5
Appendix 4A	Detailed Drawings for the Liquid Effluent Retention Facility, from Class 1 Modification for quarter ending March 31, 2000 ¹
Appendix 4B	Detailed Drawings for the 200 area Effluent Treatment Facility Container Storage Area and Tank Systems, from Class 1 Modification for quarter ending March 31, 2000 ¹
Appendix 7A	Building Emergency Plan for the Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility, from Class 1 Modification for quarter ending September 30, 2000. Enforceable portions include Sections 1.5, 3.1, 4.0 (1 st paragraph), 7.1, 7.1.1, 7.1.2, 7.2, 7.2.1, 7.2.2, 7.2.3, 7.2.4, 7.2.5, 7.2.5.1, 7.3, 8.2, 8.3, 8.4, 9.0, 9.1, 9.2, 9.3, 9.4, 9.5, 9.6, 11.0, 12.0, and 13.0.
Appendix 8A	200 Area Liquid Waste Processing Facilities Administrative Policies, Dangerous Waste Training Plan, dated May 1998, as amended in Class 2 Modification for Revision 5



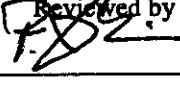
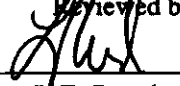
Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and informational changes

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
 E. S. Aromi	 G. H. Sanders	 F. Jamison	 L.E. Ruud
Date	Date	Date	Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
Liquid Effluent Retention Facility and
200 Area Effluent Treatment Facility

Permit Part & Chapter:
Part III, Chapter 4 and Attachment 34

Description of Modification:

Hanford Facility RCRA Permit, III.4.B: Delete the conditions below the conditions have been incorporated into Appendix 3A.

III.4.B. AMENDMENTS TO THE APPROVED PERMIT APPLICATION

III.4.B.a. Section 4.4.6; add the following paragraph, "All tank systems holding dangerous waste are marked with labels or signs to identify the waste contained in the tanks. The labels or signs are legible at a distance of at least fifty (50) feet and bear a legend that identifies the waste in a manner which adequately warns employees, emergency response personnel, and the public, of the major risk(s) associated with the waste being stored or treated in the tank system(s)."

III.4.B.b. ~~Appendix 3A, Waste Analysis Plan for the Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility.~~

III.4.B.b.1. ~~The Permittees shall comply with all the requirements, subsections, figures, tables, and appendices, included in the "Waste Analysis Plan for Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility," except that the "Wastewater Profile Sheet Form" is included as an example only. The actual Wastewater Profile Sheet format may vary, but will contain the same substantive information as the example form.~~

III.4.B.b.2. ~~Section 6.1 Dry Powder Waste~~

~~The following terms used in this Section, including powder, dry powder, waste powder, and dry waste powder, are equivalent to the term "dry powder waste" as defined in lines 20 through 27 on page 6-1.~~

III.4.B.b.3. ~~Section 6.3 Other Waste Generated at the 200 Area Effluent Treatment Facility~~

~~Insert the phrase "according to Washington State Regulatory Requirements" after the word "designated" in line 44 on page 6-4.~~



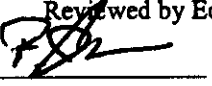
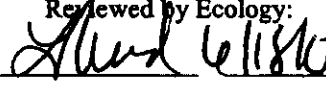
Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and informational changes

Submitted by Co-Operator: 	Reviewed by RL Program Office:  APR 06 2001	Reviewed by Ecology:  4/6/01	Reviewed by Ecology:  6/18/01
E. S. Aromi	G. H. Sanders	F. Jamison	L.E. Ruud
Date	Date	Date	Date

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
Liquid Effluent Retention Facility and
200 Area Effluent Treatment Facility

Permit Part & Chapter:
Part III, Chapter 4 and Attachment 34

Description of Modification:

Remove and replace Appendix 3A with the attached Appendix 3A.
Permit Condition III.4.B.b.1. was incorporated in Section 1.0.

1.0 INTRODUCTION

In accordance with the federal and state regulations set forth in 40 Code of Federal Regulations (CFR) 264.13 and in Washington State Department of Ecology (Ecology) *Dangerous Waste Regulations*, Washington Administrative Code (WAC) 173-303-300, this waste analysis plan (WAP) has been prepared for operation of the Liquid Effluent Retention Facility (LERF) and the 200 Area Effluent Treatment Facility (ETF) located in the 200 East Area on the Hanford Site, Richland, Washington.

The purpose of this WAP is to document the sampling and analytical methods, and describe the procedures which are utilized for all dangerous wastes that are managed in the specific treatment storage, and disposal (TSD) units identified in the Part A, Form 3, permit application for the LERF and the ETF (DOE/RL-97-03). This WAP also documents the requirements for generators of aqueous wastes that will be sent to the LERF or ETF for treatment. Throughout this WAP, the term generator includes any Hanford Site unit, including TSD units, whose process produces an aqueous waste.

The TSD units include a surface impoundment (LERF) which provides treatment and storage, a tank system at the ETF which provides treatment and storage, and a container management area at the ETF which provides drum storage and treatment. Additionally, this WAP discusses the sampling and analytical methods the treated effluent (treated aqueous waste) that is discharged from the ETF as a non-dangerous, delisted waste to the State-Approved Land Disposal Site (SALDS). Specifically, the WAP delineates the following: ...

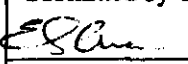
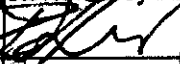
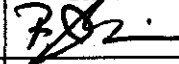

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes.

Submitted by Co-Operator:  E. S. Aromi	Reviewed by RL Program Office:  G. H. Sanders	Reviewed by Ecology:  F. Jamison	Reviewed by Ecology:  L.E. Ruud
Date: 3/14/01	Date: APR ^ G 2001	Date: 6/18/01	Date: 6/18/01

¹ Class 1 modifications requiring prior Agency approval.

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Hanford Facility RCRA Permit Modification Notification Form





Unit:
Liquid Effluent Retention Facility and
200 Area Effluent Treatment Facility

Permit Part & Chapter:
Part III, Chapter 4 and Attachment 34

Description of Modification:

Replace the Chapters 2.0, 3.0, 11.0, 12.0, and 13.0, with the attached Chapters 2.0, 3.0, 11.0, 12.0, and 13.0.

These sections were converted from WordPerfect to Microsoft Word, which resulted in formatting changes. No changes were made to the text.

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			
Relevant WAC 173-303-830, Appendix I Modification: A.1.				
<u>Enter wording of the modification from WAC 173-303-830, Appendix I citation</u>				
A. General Permit Provisions				
1. Administrative and Informational changes.				
Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:	
 2/14/01	 APR 16 2001	 04/18/01	 6/18/01	
E. S. Aromi	G. H. Sanders	F. Jamison	L.E. Ruud	
Date	Date	Date	Date	

¹ Class 1 modifications requiring prior Agency approval.

² This is only an advanced notification of an intended Class ¹1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.

³ If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to ¹1, if appropriate.

Hanford Facility RCRA Permit Modification Notification Form

Unit:
Liquid Effluent Retention Facility and
200 Area Effluent Treatment Facility

Permit Part & Chapter:
Part III, Chapter 4 and Attachment 34

Description of Modification:

Replace Appendix 3A with the attached Appendix 3A.

Appendix 3A, Section 1.1, last paragraph:

The treated effluent is contained in verification tanks where the effluent is sampled ~~[PERMIT REQUIRED CHANGE]~~, and held until the analytical results confirm that the effluent meets the 'delisting' criteria. Under 40 CFR 261, Appendix IX, Table 2, the treated effluent from the ETF is considered a delisted waste; that is, the treated effluent is no longer a dangerous or hazardous waste subject to the hazardous waste management requirements of RCRA. The treated effluent is discharged under the Discharge Permit as a nondangerous, delisted waste to the SALDS, located in the 600 Area, north of the 200 West Area (Figure 1-1).

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes.

Submitted by Co-Operator:	Reviewed by E2 Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
<i>E.S. Aromi</i>	<i>G.H. Sanders</i>	<i>F. Jamison</i>	<i>L.E. Ruud</i>
3/14/01	APR 06 2001	26/6/01	6/18/01
Date	Date	Date	Date

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
Liquid Effluent Retention Facility and
200 Area Effluent Treatment Facility

Permit Part & Chapter:
Part III, Chapter 4 and Attachment 34

Description of Modification:

Replace Appendix 3A with the attached Appendix 3A.

Appendix 3A, Section 6.1: Incorporate Permit Condition III.4.B.b.2.

1.1 SECONDARY WASTE GENERATED FROM TREATMENT PROCESSES

A dry powder waste is generated from the secondary treatment train, from the treatment of an aqueous waste. Waste is received in the secondary treatment train in waste receiving tanks where it is fed into an evaporator. Concentrate waste from the evaporator is then fed to a concentrate tank. From these tanks, the waste is fed to a thin film dryer and dried into a powder, and collected into containers. The containers are filled via a remotely controlled system. The condensed overheads from the evaporator and thin film dryer are returned to the surge tank to be fed to the primary treatment train.

Occasionally, salts from the treatment process (e.g., calcium sulfate and magnesium hydroxide) accumulate in process tanks as sludge. Because processing these salts could cause fouling in the thin film dryer, and to allow uninterrupted operation of the treatment process, the sludge is removed and placed in containers. The sludge is dewatered and the supernate is pumped back to the ETF for treatment.

The secondary treatment system typically receives and processes the following by-products generated from the primary treatment train:

- Concentrate from the first RO stage
- Backwash from the rough and fine filters
- Regeneration waste from the ion exchange system
- Spillage or overflow collected in the process sumps.

In an alternate operating scenario, some aqueous wastes may be fed to the secondary treatment train before the primary treatment train. A more complete description of these processes can be found in Chapter 4.0 of the dangerous waste permit application for LERF and ETF (DOE/RL-97-03).

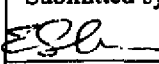



Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: A.1.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

A. General Permit Provisions

1. Administrative and Informational changes.

Submitted by Co-Operator:	Reviewed by RL Program Office:	Reviewed by Ecology:	Reviewed by Ecology:
	 APR 06 2001		
E. S. Aromi	G. H. Sanders	F. Jamison	L.E. Ruud
Date	Date	Date	Date

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Hanford Facility RCRA Permit Modification Notification Form

Unit:
Liquid Effluent Retention Facility and
200 Area Effluent Treatment Facility

Permit Part & Chapter:
Part III, Chapter 4 and Attachment 34

Description of Modification:

Appendix 4A:

Remove Appendix 4A and replace with the attached Appendix 4A:

Table 4A-2. Liquid Effluent Retention Facility Piping and Instrumentation.

LERF System	Drawing Number	Outstanding ECNs	Drawing Title
Transfer Piping to 242-A Evaporator	H-2-79604, Sh 1, Rev. 3	None	Piping Plot and Key Plans; 242-A Evaporator Condensate Stream (Sheet 1)
LERF Piping and Instrumentation	H-2-88766, Sh 1, Rev. 2	ECN-647888	P&ID; LERF Basin and ETF Influent (Sheet 1)
LERF Piping and Instrumentation	H-2-88766, Sh 2, Rev. 4	ECN-647209L	P&ID; LERF Basin and ETF Influent (Sheet 2)
LERF Piping and Instrumentation	H-2-88766, Sh 3, Rev. 5	None	P&ID; LERF Basin and ETF Influent (Sheet 3)
LERF Piping and Instrumentation	H-2-88766, Sh 4, Rev. 5	None	P&ID; LERF Basin and ETF Influent (Sheet 4)
	H-2-89351, Sh 1, Rev. 5	None	Piping & Instrumentation Diagram - Legend

P&ID - piping and instrumentation diagram.

Modification Class: ¹²³

Class 1

Class¹1

Class 2

Class 3

Please check one of the Classes:

X

Relevant WAC 173-303-830, Appendix I Modification: B.5.b.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

B. General Facility Standards

5. Changes in the training plan

b. Other changes

Submitted by Co-Operator:

Reviewed by RL Program Office:

Reviewed by Ecology:

Reviewed by Ecology:

E.S. Aromi

3/14/01

G.H. Sanders

APR 06 2001

F. Jamison

4/6/01

L.E. Ruud

6/18/01

E. S. Aromi

Date

G. H. Sanders

Date

F. Jamison

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Date

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Hanford Facility RCRA Permit Modification Notification Form

Unit: Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility	Permit Part & Chapter: Part III, Chapter 4 and Attachment 34
-------------------------------------------------------------------------------------------------	------------------------------------------------------------------------

Description of Modification:

Appendix 4B:

Remove Appendix 4B and replace with the attached Appendix 4B:

Table 4B-2. Drawings of Major Process Units and Tanks at the Effluent Treatment Facility and Load-In Station.

ETF Process Unit	Drawing Number	Outstanding ECNs	Drawing Title
Load-In Facility	H-2-817974, Sh. 1, Rev. 12	None	P&ID - ETF Truck Load-In Facility (Sheet 1)
Load-In Facility	H-2-817974, Sh. 2, Rev. 0	None	P&ID - ETF Truck Load-In Facility (Sheet 2)
Surge Tank	H-2-89337, Sh. 1, Rev. 41	ECN-644244	P&ID - Surge Tank System (Sheet 1)
UV/Oxidation	H-2-88976, Sh. 1, Rev. 8	ECN-647245	P&ID - UV Oxidizer Part 1 (Sheet 1)
UV/Oxidation	H-2-89342, Sh. 1, Rev. 6	ECN-647245	P&ID - UV Oxidizer Part 2 (Sheet 1)
Reverse Osmosis	H-2-88980, Sh. 1, Rev. 9	None	P&ID - 1st RO Stage (Sheet 1)
Reverse Osmosis	H-2-88982, Sh. 1, Rev. 41	None	P&ID - 2nd RO Stage (Sheet 1)
IX/Polishers	H-2-88983, Sh. 1, Rev. 40	ECN-642800	P&ID - Polisher (Sheet 1)
Verification Tanks	H-2-88985, Sh. 1, Rev. 8	None	P&ID - Verification Tank System (Sheet 1)
ETF Evaporator	H-2-89335, Sh. 1, Rev. 42	ECN-641719 ECN-653080L ECN-641564ECN-651583	P&ID - Evaporator (Sheet 1)
Thin Film Dryer	H-2-88989, Sh. 1, Rev. 46	ECN-648765 ECN-642797	P&ID - Thin Film Dryer (Sheet 1)
Transfer Piping from LERF to ETF	H-2-88768, Sh. 1, Rev. 1	None	Piping Plan/Profile 4"- 60M-002-M17 and 3"-60M-001-M17 (Sheet 1)
Transfer Piping from Load-In Facility to ETF	H-2-817969, Sh. 1, Rev. 1	W291-015 ECN-641703 ECN-649104	Civil - ETF Truck Load-In Facility Site Plan (Sheet 1)

P&ID - piping and instrumentation diagram.
STRUCT - architectural/structural diagram.

Modification Class: ¹²³	Class 1	Class ¹ 1	Class 2	Class 3
Please check one of the Classes:	X			

Relevant WAC 173-303-830, Appendix I Modification: B.5.b.

Enter wording of the modification from WAC 173-303-830, Appendix I citation

B. General Facility Standards

5. Changes in the training plan

b. Other changes

Submitted by Co-Operator: <i>E. S. Aromi</i> 3/14/01	Reviewed by RL Program Office: <i>G. H. Sanders</i> APR 06 2001	Reviewed by Ecology: <i>F. Jamison</i> 06-19-01	Reviewed by Ecology: <i>E.E. Ruud</i> 6/18/01
E. S. Aromi	G. H. Sanders	F. Jamison	E.E. Ruud
Date	Date	Date	Date

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